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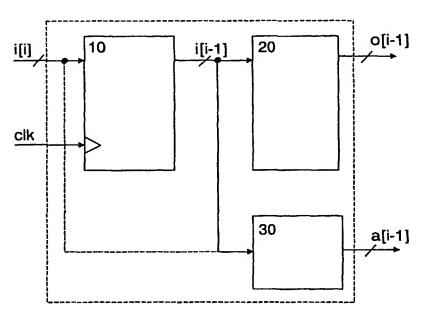
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(54) Title: ADAPTIVE DATA PROCESSING SCHEME BASED ON DELAY FORECAST



(57) Abstract: The present invention relates to a data processing circuitry and method of processing an input data pattern and outputting an output data pattern after a processing delay which depends on a processing activity of the data processing circuitry, wherein the processing delay is estimated based on the input pattern and the processing is controlled in response to the estimated processing delay. The processing control may be a power control based on an activity monitoring or a clock control in a pipeline structure. Thereby, an efficient solution is provided to derive the current activity of the processing circuitry in order to dynamically adapt its operating conditions to its demands.

